AUTHOR INDEX

Bailey, O. T., 1
Beck, G., 174
Berenda, C. W., 116
Bohnert, A. G., 302
Carnap, R., 72
Churchman, C. W., 147, 158, 165
Feibleman, J., 52, 194
Friend, J., 52
Hartung, F. E., 120
Hempel, G., 98
Herrick, C. J., 57
Johnson, A. H., 237
Kavanau, J. L., 190
Lal, G. B., 41
Malisoff, W. M., 231
Oppenheim, P., 98
Rautenstrauch, W., 8
Reiser, O., 45
Rosenblueth, A., 316
Simms, H. S., 19
Smith, M., 296
Somerville, J., 23
Wiener, N., 316
Winthrop, H., 30
Witzemann, E. J., 179
Zerby, L., 134

SUBJECT INDEX

Actual entities, Whitehead's theory of, 237
Biological sciences, levels of research in, 1
Birkhoff's relativity theory, 116
Casual factors in the origin of life, a theory on, 190
Chemistry and evolution, 179
Commands, the semiotic status of, 302
Concepts, non-mechanical, 165
Confirmation, degree of, 98
Degree of confirmation, a definition of, 98
Dialectical materialism, Soviet science and, 23
Discussion, 146, 218
Economic theory, conceptual difficulties in modern, 30
Einstein's theory of relativity, 116
Empirical fields, normative organization and, 52
Esthetic measure, the hypothesis of, 194
Evolution, chemistry and, 179
Experience, the natural history of, 57
Experimental method, postulates of, 158
Fields, empirical, 52
Formalism, mathematical, and the physical picture, 174
Humanism, an institute of scientific, 45
Hypothesis vs. problem in scientific investigation, 296
Inductive logic, 72
Levels of research in the biological sciences, 1
Life, origin of, 190
Logic, on inductive, 72
Materialism, dialectical, 23
Mathematical formalism and the physical picture, 174
Measure, esthetic, 194
Medical research, the future of, 19
Method, experimental, postulates of, 158
Models in science, the role of, 316
Non-mechanical concepts, 165
Normative, descriptive and ideological elements in Laski, 134
Normative organization and empirical fields, 52
Organization, normative, 52
Philosophies of science, on the, 231
Physical picture and mathematical formalism, 174
Planning, what is scientific, 8
Popularization of science through news, 41
Possible philosophies of science, 231
Positivism, the social function of, 120
Postulates of experimental method, 158
Probability theory, 147, 158, 165
Research, levels of, 1
Reviews, 221
Science, possible philosophies of, 231
Scientific humanism, an institute of, 45
Scientific planning, what is, 8
Semiotic status of commands, 302
Social function of positivism, 120
Soviet science and dialectical materialism, 23
Whitehead's theory of actual entities, 237